

Exhibit 1

Selected Pages from Lab Notebook S179  
Belonging to Frank Tran



# LABORATORY NOTEBOOK

Notebook No.: \$ 179  
Assigned to: Frank Tran  
Date: 7-26-99

Use Nalge Cat. No.

6301-1000  
to reorder.

Copyright 1973, Nalge Company  
Printed in U.S.A.



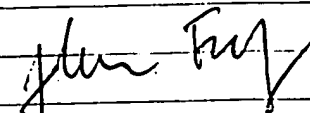
PROJECT \_\_\_\_\_

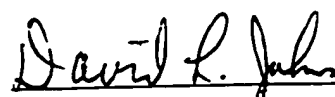
4-16-99

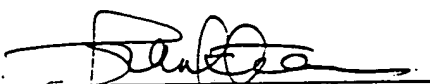
SL 5170 Study with SR 394 (instead of 3700)

3/25/03

Continued on Page \_\_\_\_\_

  
Read and Understood By

  
Signed

  
Signed

4-16-99  
Date

4/7/2000  
Date

9-16-99

REDACTED

3/25/03  
Continued on Page \_\_\_\_\_

Read and Understood By

Signed

9-16-99  
Date

Signed

Date

4/7/2000

Date \_\_\_\_\_

4/17/2000  
Date  
3/25/03

42  
PROJECT \_\_\_\_\_

9-11-99

5179-39A

16 mi = 1648, 1684, 1707 = 1680

6 mi = 1900, 1930, 1936 = 1922

REDACTED

3/25/93  
Continued n Page \_\_\_\_\_

Read and Understood By

[Signature]  
Signed

9-16-99  
Date

David R. John  
Signed

4/7/2000  
Dat

PROJECT \_\_\_\_\_

SL 5170

P. 32.7 mW

batch

20.03	31.47	48.64	74.39	114.35
6.28	5.28	7.05	8.13	9.71
80.12	123.03	191.70	297.57	460.66
8.15	10.37	12.58	15.29	21.98

Dp = 4.35 Ec = 10.66

9-17-99

REDACTED

9-18-99

SL 79-39 B

10 mi = 1648, 1687, 1706 = 1680  
6 mi = 1783, 1809, 1853 = 1818

Continued on Page

Read and Understood By

3/25/13

*[Signature]*

Signed

12-3-99

Date

*[Signature]*

Signed

4/7/2000

Date

REDACTED

18-14-99

SL79-39 C	18.99	29.84	48.83	73.24	116.64
	48.66	124.78	192.59	298.38	461.13
SL79-39 D	39C	3.46	5.21	8.13	9.26
		9.45	10.88	13.11	16.32
P = 31.0 mW					20.85
	39D	2.48	4.37	7.70	12.56
		9.09	11.93	14.13	17.33
					22.91

Continued on Page \_\_\_\_\_

Read and Understood By

Signed

12-3-99  
DateDavid L. Johnson  
Signed4/7/2000  
3/23/03  
Date



S179-39C 10 min = 1785, 1837, 1879 = 1834  
60 min = 2002, 2037, 2051 = 2030

10-15-99

S179-39D 10 min = 1301, 1326, 1341 = 1323  
60 min = 1440, 1502, 1523 = 1488

REDACTED

Continued on Page \_\_\_\_\_

Read and Understood By

[Signature]

Signed

12-3-99

Date

David L. Johns

MA

Signed

4/7/2000

3/23/02

10-16-99

S179-39D parts did not build.

S179-39E & 39F P = 30.1 <sup>no W</sup>

21.07	31.61	47.41	73.75	115.89
79.01	123.79	192.26	297.61	460.91

S179-39E	3.18	4.84	6.48	7.59	8.04
	6.79	8.17	9.50	11.09	14.95

Dp = 2.63 , Ec = 4.93

S179-39F	2.60	3.96	6.94	10.40	11.36
	7.44	11.33	13.89	17.12	24.03

Dp = 5.39 , Ec = 13.43

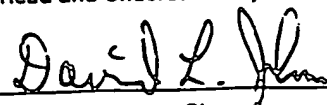
REDACTED

Continued on Page \_\_\_\_\_

Read and Understood By

  
Signed

12-3-99  
Date

  
Signed

4/17/2000  
Date

PROJECT \_\_\_\_\_

Continued From Page \_\_\_\_\_

10-18-99

S 179-39 F 10 min = 1554, 1610, 1629 = 1598

60 min = 1689, 1643, 1520 = 1617

S 179-39 E 10 min = 1586, 1647, 1637 = 1623

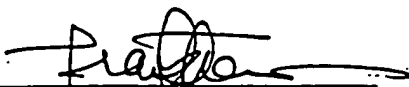
60 min = 1713, 1702, 1732 = 1716

10-19-99

REDACTED

Continued on Page \_\_\_\_\_

Read and Understood By

  
Signed

12-3-99  
Date

David L. Johnson  
Signed

4/17/2001  
Date